Journal of Solar Energy Engineering

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abu Hamed, Tareq, Venstrom, Luke, Alshare, Aiman, Brülhart, Marc, and Davidson, Jane H. — Study of a Quench Device for the Synthesis and Hydrolysis of Zn Nanoparticles: Modeling and Experiments. **131**, 031018

Abutayeh, Mohammad, and Goswami, D. Yogi — Solar Flash Desalination Under Hydrostatically Sustained Vacuum. **131**, 031016

Aguilera, J. — (see Nofuentes, G.) **131**, 031013

Alshare, Aiman — (see Abu Hamed, Tareq) **131**, 031018

Alvani, Carlo, Bellusci, Mariangela, La Barbera, Aurelio, Padella, Franco, Pentimalli, Marzia, Seralessandri, Luca, and Varsano, Francesca — Reactive Pellets for Improved Solar Hydrogen Production Based on Sodium Manganese Ferrite Thermochemical Cycle. **131**, 031015

Appelbaum, J. — (see Weinstock, D.) **131**, 031003

Aviv, A., Blyakhman, Y., Beeri, O., Ziskind, G., and Letan, R. — Experimental and Numerical Study of Mixing in a Hot-Water Storage Tank. **131**, 011011

____, Morad, S., Ratzon, Y., Ziskind, G., and Letan, R. — Experimental and Numerical Study of Mixing in a Horizontal Hot-Water Storage Tank. **131**, 031004

Azevedo, G. M. S., Cavalcanti, M. C., Oliveira, K. C., Neves, F. A. S., and Lins, Z. D. — Comparative Evaluation of Maximum Power Point Tracking Methods for Photovoltaic Systems. **131**, 031006

Babinsky, H. — (see McIntosh, S. C.) **131**, 034502(TB)

Bader, R., Haueter, P., Pedretti, A., and Steinfeld, A. — Optical Design of a Novel Two-Stage Solar Trough Concentrator Based on Pneumatic Polymeric Structures. **131**, 031007

Bahl, Carsten — (see Laing, Doerte) **131**, 041007

Bakker, M. — (see van Essen, V. M.) **131**, 041014

Barakos, G. N. — (see Gómez-Iradi, S.) **131**, 031009

Barazane, L. — (see Kharzi, S.) **131**, 021003

Barmpas, F., Bouris, D., and Moussiopoulos, N. — 3D Numerical Simulation of the Transient Thermal Behavior of a Simplified Building Envelope Under External Flow. **131**, 031001

Barth, K. L. — (see Enzenroth, R. A.) **131**, 021012

Barth, Kurt L. — (see Kohli, Sandeep) **131**, 021009

Beeri, O. — (see Aviv, A.) **131**, 011011

Belhomme, B., Pitz-Paal, R., Schwarzbözl, P., and Ulmer, S. — A New Fast Ray Tracing Tool for High-Precision Simulation of Heliostat Fields. **131**, 031002

Bellusci, Mariangela — (see Alvani, Carlo) **131**, 031015

Ben-Zvi, Rami, Segal, Akiba, and Epstein, Michael — Beam-Down Mirror: Thermal and Stress Analyses. **131**, 041003

Bertényi, T. — (see McIntosh, S. C.) **131**, 034502(TB)

Best, Roberto — (see Velázquez, Nicolás) **131**, 021006

Bierbooms, Wim — Application of Constrained Stochastic Simulation to Determine the Extreme Loads of Wind Turbines. **131**, 031010

Bleijendaal, L. P. J. — (see van Essen, V. M.) **131**, 041014

Blyakhman, Y. — (see Aviv, A.) **131**, 011011

Bouris, D. — (see Barmpas, F.) **131**, 031001

Brülhart, Marc — (see Abu Hamed, Tareq) **131**, 031018

Buck, R., and Teufel, E. — Comparison and Optimization of Heliostat Canting Methods. **131**, 011001

Cabeza, L. F. — (see Castell, A.) **131**, 024501(TB)

____ (see Castellón, C.) **131**, 041006

Campo Garrido, C. A. — (see Tovar, R.) **131**, 021005

Castell, A., Solé, C., Medrano, M., Nogués, M., and Cabeza, L. F. — Comparison of Stratification in a Water Tank and a PCM-Water Tank. **131**, 024501(TB)

____ (see Castellón, C.) **131**, 041006

Castellón, C., Castell, A., Medrano, M., Martorell, I., and Cabeza, L. F. — Experimental Study of PCM Inclusion in Different Building Envelopes. **131**, 041006

Cavalcanti, M. C. — (see Azevedo, G. M. S.) **131**, 031006

Chapman, Jamie — (see Walter, Kevin) **131**, 011013

Chouder, A., and Silvestre, S. — Analysis Model of Mismatch Power Losses in PV Systems. **131**, 024504(TB)

Collins, M. R. — (see Kotey, N. A.) **131**, 021002

Cruickshank, Cynthia A., and Harrison, Stephen J. — Characterization of a Thermosyphon Heat Exchanger for Solar Domestic Hot Water Systems. **131**, 024502(TB)

Dauvergne, J. L. — (see Palomo Del Barrio, E.) **131**, 041010

Davidson, Jane H. — (see Abu Hamed, Tareq) **131**, 031018

____ (see Wade, Aaron D.) **131**, 034503(TB)

Davis, Mark W. — (see Fanney, A. Hunter) **131**, 021011

Der Minassians, Artin, and Sanders, Seth R. — Multiphase Stirling Engines. **131**, 021013

Di, Hongfa — (see Fu, Lin) **131**, 031014

Dincer, Ibrahim — (see MacPhee, David) **131**, 031017

Dougherty, Brian P. — (see Fanney, A. Hunter) **131**, 021011

Duncan, S. — (see Venstrom, L.) **131**, 031005

Enzenroth, R. A., Barth, K. L., Sampath, W. S., Manivannan, V., Kirkpatrick, A. T., and Noronha, P. — Stable Cu-Based Back Contacts for CdTe Thin Film Photovoltaic Devices. **131**, 021012

Enzenroth, Robert A. — (see Kohli, Sandeep) **131**, 021009

Epstein, Michael — (see Vishnevetsky, Irina) **131**, 021007

____ (see Ben-Zvi, Rami) **131**, 041003

Fanney, A. Hunter, Dougherty, Brian P., and Davis, Mark W. — Comparison of Predicted to Measured Photovoltaic Module Performance. **131**, 021011

Fiß, Michael — (see Laing, Doerte) **131**, 041007

Fu, Lin, Zheng, Zhonghai, Di, Hongfa, and Jiang, Yi — Urban Building Energy Planning With Space Distribution and Time Dynamic Simulation. **131**, 031014

Fuentes, M. — (see Nofuentes, G.) **131**, 031013

Funke, Claudia, Wolf, Susann, and Stoyan, Dietrich — Modeling the Tensile Strength and Crack Length of Wire-Sawn Silicon Wafers. **131**, 011012

Gabbrielli, R., and Zamparelli, C. — Optimal Design of a Molten Salt Thermal Storage Tank for Parabolic Trough Solar Power Plants.

Journal of Solar Energy Engineering

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abu Hamed, Tareq, Venstrom, Luke, Alshare, Aiman, Brülhart, Marc, and Davidson, Jane H. — Study of a Quench Device for the Synthesis and Hydrolysis of Zn Nanoparticles: Modeling and Experiments. **131**, 031018

Abutayeh, Mohammad, and Goswami, D. Yogi — Solar Flash Desalination Under Hydrostatically Sustained Vacuum. **131**, 031016

Aguilera, J. — (see Nofuentes, G.) **131**, 031013

Alshare, Aiman — (see Abu Hamed, Tareq) **131**, 031018

Alvani, Carlo, Bellusci, Mariangela, La Barbera, Aurelio, Padella, Franco, Pentimalli, Marzia, Seralessandri, Luca, and Varsano, Francesca — Reactive Pellets for Improved Solar Hydrogen Production Based on Sodium Manganese Ferrite Thermochemical Cycle. **131**, 031015

Appelbaum, J. — (see Weinstock, D.) **131**, 031003

Aviv, A., Blyakhman, Y., Beeri, O., Ziskind, G., and Letan, R. — Experimental and Numerical Study of Mixing in a Hot-Water Storage Tank. **131**, 011011

____, Morad, S., Ratzon, Y., Ziskind, G., and Letan, R. — Experimental and Numerical Study of Mixing in a Horizontal Hot-Water Storage Tank. **131**, 031004

Azevedo, G. M. S., Cavalcanti, M. C., Oliveira, K. C., Neves, F. A. S., and Lins, Z. D. — Comparative Evaluation of Maximum Power Point Tracking Methods for Photovoltaic Systems. **131**, 031006

Babinsky, H. — (see McIntosh, S. C.) **131**, 034502(TB)

Bader, R., Haueter, P., Pedretti, A., and Steinfeld, A. — Optical Design of a Novel Two-Stage Solar Trough Concentrator Based on Pneumatic Polymeric Structures. **131**, 031007

Bahl, Carsten — (see Laing, Doerte) **131**, 041007

Bakker, M. — (see van Essen, V. M.) **131**, 041014

Barakos, G. N. — (see Gómez-Iradi, S.) **131**, 031009

Barazane, L. — (see Kharzi, S.) **131**, 021003

Barmpas, F., Bouris, D., and Moussiopoulos, N. — 3D Numerical Simulation of the Transient Thermal Behavior of a Simplified Building Envelope Under External Flow. **131**, 031001

Barth, K. L. — (see Enzenroth, R. A.) **131**, 021012

Barth, Kurt L. — (see Kohli, Sandeep) **131**, 021009

Beeri, O. — (see Aviv, A.) **131**, 011011

Belhomme, B., Pitz-Paal, R., Schwarzbözl, P., and Ulmer, S. — A New Fast Ray Tracing Tool for High-Precision Simulation of Heliostat Fields. **131**, 031002

Bellusci, Mariangela — (see Alvani, Carlo) **131**, 031015

Ben-Zvi, Rami, Segal, Akiba, and Epstein, Michael — Beam-Down Mirror: Thermal and Stress Analyses. **131**, 041003

Bertényi, T. — (see McIntosh, S. C.) **131**, 034502(TB)

Best, Roberto — (see Velázquez, Nicolás) **131**, 021006

Bierbooms, Wim — Application of Constrained Stochastic Simulation to Determine the Extreme Loads of Wind Turbines. **131**, 031010

Bleijendaal, L. P. J. — (see van Essen, V. M.) **131**, 041014

Blyakhman, Y. — (see Aviv, A.) **131**, 011011

Bouris, D. — (see Barmpas, F.) **131**, 031001

Brülhart, Marc — (see Abu Hamed, Tareq) **131**, 031018

Buck, R., and Teufel, E. — Comparison and Optimization of Heliostat Canting Methods. **131**, 011001

Cabeza, L. F. — (see Castell, A.) **131**, 024501(TB)

____ (see Castellón, C.) **131**, 041006

Campo Garrido, C. A. — (see Tovar, R.) **131**, 021005

Castell, A., Solé, C., Medrano, M., Nogués, M., and Cabeza, L. F. — Comparison of Stratification in a Water Tank and a PCM-Water Tank. **131**, 024501(TB)

____ (see Castellón, C.) **131**, 041006

Castellón, C., Castell, A., Medrano, M., Martorell, I., and Cabeza, L. F. — Experimental Study of PCM Inclusion in Different Building Envelopes. **131**, 041006

Cavalcanti, M. C. — (see Azevedo, G. M. S.) **131**, 031006

Chapman, Jamie — (see Walter, Kevin) **131**, 011013

Chouder, A., and Silvestre, S. — Analysis Model of Mismatch Power Losses in PV Systems. **131**, 024504(TB)

Collins, M. R. — (see Kotey, N. A.) **131**, 021002

Cruickshank, Cynthia A., and Harrison, Stephen J. — Characterization of a Thermosyphon Heat Exchanger for Solar Domestic Hot Water Systems. **131**, 024502(TB)

Dauvergne, J. L. — (see Palomo Del Barrio, E.) **131**, 041010

Davidson, Jane H. — (see Abu Hamed, Tareq) **131**, 031018

____ (see Wade, Aaron D.) **131**, 034503(TB)

Davis, Mark W. — (see Fanney, A. Hunter) **131**, 021011

Der Minassians, Artin, and Sanders, Seth R. — Multiphase Stirling Engines. **131**, 021013

Di, Hongfa — (see Fu, Lin) **131**, 031014

Dincer, Ibrahim — (see MacPhee, David) **131**, 031017

Dougherty, Brian P. — (see Fanney, A. Hunter) **131**, 021011

Duncan, S. — (see Venstrom, L.) **131**, 031005

Enzenroth, R. A., Barth, K. L., Sampath, W. S., Manivannan, V., Kirkpatrick, A. T., and Noronha, P. — Stable Cu-Based Back Contacts for CdTe Thin Film Photovoltaic Devices. **131**, 021012

Enzenroth, Robert A. — (see Kohli, Sandeep) **131**, 021009

Epstein, Michael — (see Vishnevetsky, Irina) **131**, 021007

____ (see Ben-Zvi, Rami) **131**, 041003

Fanney, A. Hunter, Dougherty, Brian P., and Davis, Mark W. — Comparison of Predicted to Measured Photovoltaic Module Performance. **131**, 021011

Fiß, Michael — (see Laing, Doerte) **131**, 041007

Fu, Lin, Zheng, Zhonghai, Di, Hongfa, and Jiang, Yi — Urban Building Energy Planning With Space Distribution and Time Dynamic Simulation. **131**, 031014

Fuentes, M. — (see Nofuentes, G.) **131**, 031013

Funke, Claudia, Wolf, Susann, and Stoyan, Dietrich — Modeling the Tensile Strength and Crack Length of Wire-Sawn Silicon Wafers. **131**, 011012

Gabbrielli, R., and Zamparelli, C. — Optimal Design of a Molten Salt Thermal Storage Tank for Parabolic Trough Solar Power Plants.

131, 041001
Gokon, Nobuyuki, Takahashi, Shingo, Yamamoto, Hiroki, and Kodama, Tatsuya — New Solar Water-Splitting Reactor With Ferrite Particles in an Internally Circulating Fluidized Bed. **131**, 011007
_____ (see Kodama, Tatsuya) **131**, 021008
_____ (see Kodama, Tatsuya) **131**, 041013
Gómez-Iradi, S., Steijl, R., and Barakos, G. N. — Development and Validation of a CFD Technique for the Aerodynamic Analysis of HAWT. **131**, 031009
Gores, J. Cot — (see van Essen, V. M.) **131**, 041014
Goswami, D. Yogi — (see Abutayeh, Mohammad) **131**, 031016

Haddadi, M. — (see Kharzi, S.) **131**, 021003
Haltiwanger, Julia F. — (see Wade, Aaron D.) **131**, 034503(TB)
Hanby, Vic — (see Trinkl, Christoph) **131**, 041008
Harrison, Stephen J. — (see Cruickshank, Cynthia A.) **131**, 024502(TB)
Hasegawa, Tomoki — (see Kodama, Tatsuya) **131**, 021008
Haueter, P. — (see Bader, R.) **131**, 031007
Haussener, S., Hirsch, D., Perkins, C., Weimer, A., Lewandowski, A., and Steinfeld, A. — Modeling of a Multitube High-Temperature Solar Thermochemical Reactor for Hydrogen Production. **131**, 024503(TB)
He, Z. — (see van Essen, V. M.) **131**, 041014
Heidemann, W. — (see Ochs, F.) **131**, 041005
Heinz, Boris — (see Ulmer, Steffen) **131**, 011014
Hilfiker, James N. — (see Kohli, Sandeep) **131**, 021009
Hinkley, Jim — (see Noglik, Adam) **131**, 011003
Hirsch, D. — (see Haussener, S.) **131**, 024503(TB)

Inuta, Shin-ichi — (see Kodama, Tatsuya) **131**, 041013

Jamieson, Peter M. — Beating Betz: Energy Extraction Limits in a Constrained Flow Field. **131**, 031008
Jayashri, R., and Kumudini Devi, R. P. — FACTS Controllers for Grid Connected Wind Energy Conversion Systems. **131**, 011008
Jiang, T. — (see Kotey, N. A.) **131**, 021002
Jiang, Yi — (see Fu, Lin) **131**, 031014
Johnson, Kathryn E. — (see Rex, Andrew H.) **131**, 031012

Kaldellis, J. K., Zafirakis, D., Kavadias, K., and Kondili, E. — An Optimum Sizing Methodology for Combined Photovoltaic-Energy Storage Electricity Generation Configurations. **131**, 021010
Karni, Jacob — (see Klein, Hanna Helena) **131**, 021001
Kavadias, K. — (see Kaldellis, J. K.) **131**, 021010
Kelley, Neil D. — (see Walter, Kevin) **131**, 011013
Kharzi, S., Haddadi, M., Malek, A., and Barazane, L. — Design of an Adaptive Cathodic Protection Device Powered by Four Photovoltaic Solar Panels. **131**, 021003
Kirkpatrick, A. T. — (see Enzenroth, R. A.) **131**, 021012
Klein, Hanna Helena, Karni, Jacob, and Rubin, Rachamim — Dry Methane Reforming Without a Metal Catalyst in a Directly Irradiated Solar Particle Reactor. **131**, 021001
Kodama, Tatsuya — (see Gokon, Nobuyuki) **131**, 011007
_____, **Hasegawa, Tomoki, Nagasaki, Ayumi, and Gokon, Nobuyuki** — A Reactive Fe-YSZ Coated Foam Device for Solar Two-Step Water Splitting. **131**, 021008
_____, **Gokon, Nobuyuki, Inuta, Shin-ichi, Yamashita, Shingo, and Seo, Taebeom** — Molten-Salt Tubular Absorber/Reformer (MoSTAR) Project: The Thermal Storage Media of Na_2CO_3–MgO Composite Materials. **131**, 041013
Kohli, Sandeep, Manivannan, Venkatesan, Hilfiker, James N., McCurdy, Patrick R., Enzenroth, Robert A., Barth, Kurt L., Smith, Westcott P., Luebs, Richard, and Sampath, Walajabad S. — Effect of Chemical Treatment on the Optical Properties of a Cadmium Telluride Photovoltaic Device Investigated by Spectroscopic Ellipsometry. **131**, 021009
Kondili, E. — (see Kaldellis, J. K.) **131**, 021010
Konuklu, Yeliz, and Paksoy, Halime Ö. — Phase Change Material Sandwich Panels for Managing Solar Gain in Buildings. **131**, 041012
Kotey, N. A., Collins, M. R., Wright, J. L., and Jiang, T. — A Simplified Method for Calculating the Effective Solar Optical Properties of a Venetian Blind Layer for Building Energy Simulation. **131**, 021002
Kroon, Maaike C. — (see van Luijtelaer, Jeroen P. H.) **131**, 025001
Krueger, K. — (see Venstrom, L.) **131**, 031005
Kumudini Devi, R. P. — (see Jayashri, R.) **131**, 011008
Kusiak, Andrew — (see Zheng, Haiyang) **131**, 031011

La Barbera, Aurelio — (see Alvani, Carlo) **131**, 031015
Laing, Doerte, Lehmann, Dorothea, Fiß, Michael, and Bahl, Carsten — Test Results of Concrete Thermal Energy Storage for Parabolic Trough Power Plants. **131**, 041007
_____ (see Steinmann, Wolf-Dieter) **131**, 041009
Lehmann, Dorothea — (see Laing, Doerte) **131**, 041007
Lekou, D. J., and Mouzakis, F. — WT Load Measurement Uncertainty: Load-Based Versus Analytical Strain-Gauge Calibration Method. **131**, 011005
Le Lièvre, Peter — (see Schramek, Philipp) **131**, 024505(TB)
Leonard, N. — (see Venstrom, L.) **131**, 031005
Letan, R. — (see Aviv, A.) **131**, 011011
_____ (see Aviv, A.) **131**, 031004
Lewandowski, A. — (see Haussener, S.) **131**, 024503(TB)
Li, Li, and Lim, Chern Sing — Tracking Speed Analysis for Heliostat Using Spinning-Elevation Tracking Mode. **131**, 034501(TB)
Lim, Chern Sing — (see Li, Li) **131**, 034501(TB)
Linden, P. F. — (see Tovar, R.) **131**, 021005
Lins, Z. D. — (see Azevedo, G. M. S.) **131**, 031006
Luebs, Richard — (see Kohli, Sandeep) **131**, 021009
Lüpfert, Eckhard — (see Schiricke, Björn) **131**, 011004
_____ (see Ulmer, Steffen) **131**, 011014

MacPhee, David, and Dincer, Ibrahim — Thermodynamic Analysis of Freezing and Melting Processes in a Bed of Spherical PCM Capsules. **131**, 031017
Malek, A. — (see Kharzi, S.) **131**, 021003
Mandell, John F. — (see Samborsky, Daniel D.) **131**, 011006
Manivannan, V. — (see Enzenroth, R. A.) **131**, 021012
Manivannan, Venkatesan — (see Kohli, Sandeep) **131**, 021009
Martin, Viktoria, and Setterwall, Fredrik — Compact Heat Storage for Solar Heating Systems. **131**, 041011
Martorell, I. — (see Castellón, C.) **131**, 041006
McCurdy, Patrick R. — (see Kohli, Sandeep) **131**, 021009
McIntosh, S. C., Babinsky, H., and Bertényi, T. — Convergence Failure and Stall Hysteresis in Actuator-Disk Momentum Models Applied to Vertical Axis Wind Turbines. **131**, 034502(TB)
Medrano, M. — (see Castell, A.) **131**, 024501(TB)
_____ (see Castellón, C.) **131**, 041006
Mills, David R. — (see Schramek, Philipp) **131**, 024505(TB)
Morad, S. — (see Aviv, A.) **131**, 031004
Morisson, V. — (see Palomo Del Barrio, E.) **131**, 041010
Moussiopoulos, N. — (see Barmpas, F.) **131**, 031001
Mouzakis, F. — (see Lekou, D. J.) **131**, 011005
Müller-Steinhagen, H. — (see Ochs, F.) **131**, 041005
Muñoz, J. V. — (see Nofuentes, G.) **131**, 031013

Nagasaki, Ayumi — (see Kodama, Tatsuya) **131**, 021008
Nallusamy, N., and Velraj, R. — Numerical and Experimental Investigation on a Combined Sensible and Latent Heat Storage Unit Integrated With Solar Water Heating System. **131**, 041002
Nenes, Athanasios — (see VanReken, Timothy M.) **131**, 011009
Neumann, Andreas — (see Schiricke, Björn) **131**, 011004
Neumann, Frank — (see Röger, Marc) **131**, 021004
Neves, F. A. S. — (see Azevedo, G. M. S.) **131**, 031006
Niebsch, Jenny — (see Ramlau, Ronny) **131**, 011010
Nofuentes, G., Fuentes, M., Aguilera, J., and Muñoz, J. V. — An Assessment on Simple Modeling Approaches to the Electric Behavior of Two CIS PV Modules in a Sunny Climate. **131**, 031013
Noglik, Adam, Roeb, Martin, Rzepczyk, Thomas, Hinkley, Jim, Sattler, Christian, and Pitz-Paal, Robert — Solar Thermochemical Generation of Hydrogen: Development of a Receiver Reactor for the Decomposition of Sulfuric Acid. **131**, 011003
Nogués, M. — (see Castell, A.) **131**, 024501(TB)
Noronha, P. — (see Enzenroth, R. A.) **131**, 021012

Ochs, F., Heidemann, W., and Müller-Steinhagen, H. — Performance of Large-Scale Seasonal Thermal Energy Stores. **131**, 041005
Oliveira, K. C. — (see Azevedo, G. M. S.) **131**, 031006

Padella, Franco — (see Alvani, Carlo) **131**, 031015
Paksoy, Halime Ö. — (see Konuklu, Yeliz) **131**, 041012
Palomo Del Barrio, E., Dauvergne, J. L., and Morisson, V. — A Simple Experimental Method for Thermal Characterization of Shape-Stabilized Phase Change Materials. **131**, 041010
Palumbo, R. D. — (see Venstrom, L.) **131**, 031005
Pedretti, A. — (see Bader, R.) **131**, 031007
Pentimalli, Marzia — (see Alvani, Carlo) **131**, 031015
Perkins, C. — (see Haussener, S.) **131**, 024503(TB)
Pfänder, Markus — (see Schiricke, Björn) **131**, 011004
Phelan, Patrick — (see Tyagi, Himanshu) **131**, 041004
Pitz-Paal, R. — (see Belhomme, B.) **131**, 031002
Pitz-Paal, Robert — (see Noglik, Adam) **131**, 011003
_____ (see Schiricke, Björn) **131**, 011004
Polenzky, Christina — (see Röger, Marc) **131**, 021004
Pottler, Klaus — (see Schiricke, Björn) **131**, 011004
_____ (see Ulmer, Steffen) **131**, 011014
Prasher, Ravi — (see Tyagi, Himanshu) **131**, 041004

Quintero-Núñez, Margarito — (see Velázquez, Nicolás) **131**, 021006

Ramlau, Ronny, and Niebsch, Jenny — Imbalance Estimation Without Test Masses for Wind Turbines. **131**, 011010
Ratzon, Y. — (see Aviv, A.) **131**, 031004
Rex, Andrew H., and Johnson, Kathryn E. — Methods for Controlling a Wind Turbine System With a Continuously Variable Transmission in Region 2. **131**, 031012
Rickers, Christoph — (see Röger, Marc) **131**, 021004
Riffelmann, Klaus-J. — (see Schiricke, Björn) **131**, 011004
Rindt, C. C. M. — (see van Essen, V. M.) **131**, 041014
Roeb, Martin — (see Noglik, Adam) **131**, 011003
Röger, Marc, Rickers, Christoph, Uhlig, Ralf, Neumann, Frank, and Polenzky, Christina — Infrared-Reflective Coating on Fused Silica for a Solar High-Temperature Receiver. **131**, 021004
Rubin, Rachamim — (see Klein, Hanna Helena) **131**, 021001
Rzepczyk, Thomas — (see Noglik, Adam) **131**, 011003

Samborsky, Daniel D., Wilson, Timothy J., and Mandell, John F. — Comparison of Tensile Fatigue Resistance and Constant Life Diagrams for Several Potential Wind Turbine Blade Laminates. **131**, 011006
Sampath, W. S. — (see Enzenroth, R. A.) **131**, 021012
Sampath, Walajabad S. — (see Kohli, Sandeep) **131**, 021009
Sanders, Seth R. — (see Der Minassians, Artin) **131**, 021013
Sattler, Christian — (see Noglik, Adam) **131**, 011003
Sauceda, Daniel — (see Velázquez, Nicolás) **131**, 021006
Schiricke, Björn, Pitz-Paal, Robert, Lüpfert, Eckhard, Pottler, Klaus, Pfänder, Markus, Riffelmann, Klaus-J., and Neumann, Andreas — Experimental Verification of Optical Modeling of Parabolic Trough Collectors by Flux Measurement. **131**, 011004
Schramek, Philipp, Mills, David R., Stein, Wes, and Le Lièvre, Peter — Design of the Heliostat Field of the CSIRO Solar Tower. **131**, 024505(TB)
Schuitema, R. — (see van Essen, V. M.) **131**, 041014
Schwarzbözl, P. — (see Belhomme, B.) **131**, 031002
Segal, Akiba — (see Ben-Zvi, Rami) **131**, 041003
Seo, Taebeom — (see Kodama, Tatsuya) **131**, 041013
Seralessandri, Luca — (see Alvani, Carlo) **131**, 031015
Setterwall, Fredrik — (see Martin, Viktoria) **131**, 041011
Shen, Wen Zhong, Zhang, Jian Hui, and Sørensen, Jens Nørkær — The Actuator Surface Model: A New Navier–Stokes Based Model for Rotor Computations. **131**, 011002
Silvestre, S. — (see Chouder, A.) **131**, 024504(TB)
Smith, Westcott P. — (see Kohli, Sandeep) **131**, 021009
Solé, C. — (see Castell, A.) **131**, 024501(TB)
Sørensen, Jens Nørkær — (see Shen, Wen Zhong) **131**, 011002
Steijl, R. — (see Gómez-Iradi, S.) **131**, 031009
Stein, Wes — (see Schramek, Philipp) **131**, 024505(TB)
Steinfeld, A. — A Message From the Editor. **131**, 010201(ED)
_____ (see Haussener, S.) **131**, 024503(TB)
_____ (see Bader, R.) **131**, 031007
Steinmann, Wolf-Dieter, Laing, Doerte, and Tamme, Rainer — Development of PCM Storage for Process Heat and Power Generation. **131**, 041009
Stoyan, Dietrich — (see Funke, Claudia) **131**, 011012
Swift, Andrew H. P. — (see Walter, Kevin) **131**, 011013

Takahashi, Shingo — (see Gokon, Nobuyuki) **131**, 011007
Tamme, Rainer — Guest Editorial. **131**, 040301(ED)
_____ (see Steinmann, Wolf-Dieter) **131**, 041009
Teufel, E. — (see Buck, R.) **131**, 011001
Thomas, L. P. — (see Tovar, R.) **131**, 021005
Tomlinson, B. — (see Venstrom, L.) **131**, 031005
Tovar, R., Campo Garrido, C. A., Linden, P. F., and Thomas, L. P. — Buoyancy-Driven Flow in Two Interconnected Rooms: Effects of the Exterior Vent Location and Size. **131**, 021005
Trinkl, Christoph, Zörner, Wilfried, and Hanby, Vic — Simulation study on a Domestic Solar/Heat Pump Heating System Incorporating Latent and Stratified Thermal Storage. **131**, 041008
Tyagi, Himanshu, Phelan, Patrick, and Prasher, Ravi — Predicted Efficiency of a Low-Temperature Nanofluid-Based Direct Absorption Solar Collector. **131**, 041004

Uhlig, Ralf — (see Röger, Marc) **131**, 021004
Ulmer, S. — (see Belhomme, B.) **131**, 031002
Ulmer, Steffen, Heinz, Boris, Pottler, Klaus, and Lüpfert, Eckhard — Slope Error Measurements of Parabolic Troughs Using the Reflected Image of the Absorber Tube. **131**, 011014

van Essen, V. M., Zondag, H. A., Gores, J. Cot, Bleijendaal, L. P. J., Bakker, M., Schuitema, R., van Helden, W. G. J., He, Z., and Rindt, C. C. M. — Characterization of $MgSO_4$ Hydrate for Thermochemical Seasonal Heat Storage. **131**, 041014
van Helden, W. G. J. — (see van Essen, V. M.) **131**, 041014

van Luijtelaer, Jeroen P. H., and Kroon, Maaike C. — A Novel Design for a Cheap High Temperature Solar Collector: The Rotating Solar Boiler. **131**, 025001
VanReken, Timothy M., and Nenes, Athanasios — Cloud Formation in the Plumes of Solar Chimney Power Generation Facilities: A Modeling Study. **131**, 011009
Varsano, Francesca — (see Alvani, Carlo) **131**, 031015
Velázquez, Nicolás, Sauceda, Daniel, Quintero-Núñez, Margarito, and Best, Roberto — Design and Construction of an Air Cooled Ammonia Absorber. **131**, 021006
Velraj, R. — (see Nallusamy, N.) **131**, 041002
Venstrom, L., Krueger, K., Leonard, N., Tomlinson, B., Duncan, S., and Palumbo, R. D. — Solar Thermal Electrolytic Process for the Production of Zn From ZnO: An Ionic Conductivity Study. **131**, 031005
Venstrom, Luke — (see Abu Hamed, Tareq) **131**, 031018
Vishnevetsky, Irina, and Epstein, Michael — Tin as a Possible Candidate for Solar Thermochemical Redox Process for Hydrogen Production. **131**, 021007

Wade, Aaron D., Davidson, Jane H., and Haltiwanger, Julia F. — What is the Best Solution to Improve Thermal Performance of Storage Tanks With Immersed Heat Exchangers: Baffles or a Divided Tank?. **131**, 034503(TB)
Walter, Kevin, Weiss, Christopher C., Swift, Andrew H. P., Chapman, Jamie, and Kelley, Neil D. — Speed and Direction Shear in the Stable Nocturnal Boundary Layer. **131**, 011013
Weimer, A. — (see Haussener, S.) **131**, 024503(TB)
Weinstock, D., and Appelbaum, J. — Optimization of Solar Photovoltaic Fields. **131**, 031003
Weiss, Christopher C. — (see Walter, Kevin) **131**, 011013
Wilson, Timothy J. — (see Samborsky, Daniel D.) **131**, 011006
Wolf, Susann — (see Funke, Claudia) **131**, 011012
Wright, J. L. — (see Kotey, N. A.) **131**, 021002

Yamamoto, Hiroki — (see Gokon, Nobuyuki) **131**, 011007
Yamashita, Shingo — (see Kodama, Tatsuya) **131**, 041013

Zafirakis, D. — (see Kaldellis, J. K.) **131**, 021010
Zamparelli, C. — (see Gabbrielli, R.) **131**, 041001
Zhang, Jian Hui — (see Shen, Wen Zhong) **131**, 011002
Zheng, Haiyang, and Kusiak, Andrew — Prediction of Wind Farm Power Ramp Rates: A Data-Mining Approach. **131**, 031011
Zheng, Zhonghai — (see Fu, Lin) **131**, 031014
Ziskind, G. — (see Aviv, A.) **131**, 011011
_____ (see Aviv, A.) **131**, 031004
Zondag, H. A. — (see van Essen, V. M.) **131**, 041014
Zörner, Wilfried — (see Trinkl, Christoph) **131**, 041008